Pneumatic Pulley Block Hoists SOV/122-59-6-24/27

hoists are said to be explosion proof, have a small air consumption, be silent in operation, permit smooth control of the lifting rate and exclude the possibility of overload. There are 2 figures and 2 tables.

Card 2/2

KALINENKOV, N.D.; VLADIMIRTSEV, Yu.V.; GRIGOR'YEV, V.M.; SKOMOROVSKIY, V.I.

Photoelectric unit for studying the moon and planets. Biul. Kaz.astron.obser. no.36:60-66 '61. (MIRA 15:8)
(Astronomical photography--Equipment and supplies)
(Photoelectric measurements--Equipment and supplies)

GALKIN, B.I.; GRIGOR'YEV, V.M.; KALIK, A.M.; KARPOV, L.N.; LUR'YE, A.M.; MOMDZHI, G.S.; SMIRNOV, I.A.; KRYZHANOVSKIY, V.A., red.izd-va; PEN'KOVA, S.A., tekhn. red.

[Methods of testing iron ore deposits for germanium and other disseminated elements and the calculation of their resources] Metodika oprobovaniia zhelezorudnykh mestorozhdenii na germanii i drugie rasseiannye elementy i podscheta ikh zapasov. [By] B.I.Galkin i dr. Moskva, Gosgeoltekhizdat, 1963. 58 p. (MIRA 17:2)

GRIGOR'YEV, V.M.; BOGOLYUBOV, K.S.

Vacuum water lowering in shield tunneling for sewers. Stroi.trubo-prov. 8 no.7:23-25 Jl '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii.

STAVROV, O.D.; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zam. glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; FEDOTOVA, A.I., red.izd-va; IYERUSALIMSKAYA, Ye., tekhn. red.

[Basic characteristics of lithium, rubidium, sesium in the process of the formation granite intrusives and the pegmatites connected with them.] Osnovnye cherty geokhimii litiia, rubidiia, tseziia v protsesse stanovleniia granitnykh intruzivov i sviazannykh s nimi pegmatitov. Moskva, Gosgeoltekhizdat, 1963. 140 p. (Geologiia mestorozhdenii redkikh elementov, no.21). (MIRA 17:2)

44250

S/035/62/000/012/007/064
A001/A101

3.1240
3,1250

AUTHORS: Kalinenkov,N. D., Vladimirtsev, Yu. V., Grigor'yev, V. M., Skomorovskiy, V. I.

TITLE: A photoelectric installation for studies of the Moon and planets

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 16, abstract 12A165 ("Byul. Astron. observ. im. V. P. Engel'gardta", 1961, no. 36, 61 - 66)

TEXT: The installation consists of an electrophotometer, a photoelectric spectrophotometer and a spectropolarimeter. Parts can be easily interchanged when one type of observations is replaced by another. Usually a slit spectrograph is screwed to the telescope ocular end. A photohead which contains a photomultiplier, a projecting and a guidance system can be inserted in front of the spectrograph slit. A d.c. amplifier is designed according to V. I. Moroz's proposal with insignificant modifications. ЭПП-09 (EPP-09) serves as a recording device. At a favorable weather it is possible to observe the Moon, planets and stars down to 7 - 8^m. The spectrograph has glass optics, one prism and dispersion

Card 1/3

of 80 A/mm at H_γ. It is possible to imprint comparison spectrum calibrating and standardization scales. The second slit of the spectrograph can be displaced uniformly along dispersion. In order to reduce the effects of atmospheric transparency changes, scintillations and other interferences, a deducting system is employed, with division of the light beam and two photomultipliers. A special arrangement of resistors in supply divisors of photomultipliers is used to reduce the signal-to-noise ratio. Signals from the ФЭУ (FEU) are fed to logarithmic amplifiers, and from the latter to the deducting device whose output is recorded on a d.c. oscillograph with a plane screen. The screen is photographed. In place of the head of the electrophotometer, a polaroid with its rotational system can be mounted in front of the spectrograph slit. Monochromatic bundle passing through the spectrograph second slit turns out to be modulated in case of polarized light. A signal from the photomultiplier of the spectrophotometer is fed to the vertical plates of the oscillograph, while horizontal sweep is synchronized with rotation of the polaroid. There is a device for determination of position angles on oscillograms. Instrumental polarization is taken into account by means of the deducting device. The polarimeter measures reliably monochromatic (4 - 8 A) polarization of about 1%, the accuracy of determining

A photoelectric installation for studies of... S/035/62/000/012/007/064
A001/A101

polarization degree is better than 0.1% and of position angles - from 1 to 5°.
Optical and electric diagrams of all the units are presented.

R. Botsula

[Abstracter's note: Complete translation]

Card 3/3

SHVEY, Igor' Vladimirovich; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zamestitel' glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; KHRUSHCHOV, M.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; ENTIN, M.L., red.izd-va; BYKOVA, V.V., tekhn.red.

[Basic geochemical problems of rare earth elements and yttrium in endogenic processes] Osnovnye voprosy geokhimii redkozemel'nykh elementov i ittriia v endogennykh protsessakh. Moskva, Gos. nauchn.-tekhn. izd-vo lit-ry, po geologii i okhrane nedr, 1962. 105 p. (Geologiia mestorozhdenii redkikh elementov, no.15). (MIRA 15:11)
(Rare earth metals) (Yttrium)

GRIGOR'YEV, V. M. Cand. Tech. Sci.

Dissertation: "Regulating the Discharge of Industrial Waste Waters into Rivers." All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Structures and Engineering Hydrogeology - "VODGEO" 27 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

GRIGOR'YEV, V. M.

191T74

USSR/Hydrology - Filtration Oct 51

"Determination of Filtration Coefficient of Upper Layer of Double-Layer Medium, According to Data of Evacuation Pump," V. M. Grigor'yev, Cand Tech Sci

"Gidrotekh i Meliorat" Vol III, No 10, pp 71-80

Double-layer medium with upper layer less pervious to water is considered. Author establishes filtration coeff of upper layer from data obtained by pumping out the lower layer and derives corresponding formulas. This investigation was performed during construction work in Moscow.

191T74

GRIGOR'YEV, V. M.

USSR/Engineering - Hydraulics, Ground Water May 52

"Calculation of Circular Needle-Filter Installations," V. M. Grigor'yev, Cand Tech Sci

"Gidrotekh Stroit" No 5, pp 8-12

Describes approx method for calcn of water-lowering installations of circular shape. Method takes into consideration the numerous factors, hydrogeol or tech, which have effect on water-lowering process. Numerical example illustrates practical application.

230T11

GRIGOR'YEV, V.M.

GRIGOR'YEV, V.M., kandidat tekhnicheskikh nauk; LOBACHEV, P.V., kandidat tekhnicheskikh nauk, redaktor; SAFONOV, P.V., redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Lowering ground water level by borehole filter pumps] Ponizhenie urovnia gruntovykh vod igleфil'trovymi ustanovkami. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 231 p. (MLRA 9:1)
(Water, Underground)
(Pumping machinery)

GRIGOR'YEV, V.M.

Principal features of the geological structure and the principal genetic types of mineral resources deposits in Korea. Biul. MOIP. Otd.geol. 30 no.4:109-110 Jl-Ag'55. (MIRA 8:12)
(Korea--Mines and mineral resources)

SOV/124-58-1-918

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 123 (USSR)

AUTHOR: Grigor'yev, V.M.

TITLE: General Problems of the Design of Light-weight Wellpoint Drainage Installations (Obshchiye voprosy proyektirovaniya legkikh iglofil'trovykh ustanovok)

PERIODICAL: V sb.: Opyt iskusstv. ponizheniya urovnya grunt. vod na str-ve gidroelektrostantsiy. Moscow - Leningrad, Gosenergoizdat, 1956, pp 76-85

ABSTRACT: Presentation of a methodology developed by the VNII VODGEO (Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii - All-Union Scientific Research Institute for Water Supply, Sewer Systems, Hydrotechnical Structures, and Hydrogeological Engineering) for the design calculation of light-weight wellpoint drainage installations. A preliminary-design procedure for an installation is indicated, starting from the magnitude of the specific inflow rate which, it is proposed, may be first approximated by means of the Dupuy formula for deep ditches.

Card 1/2

General Problems of the Design of Light-weight Wellpoint (cont.)

Recommendations are made relative to the selection of a suitable type of wellpoint equipment. Relationships are adduced for the determination of the calculated distance and radius of influence of rectilinear and annular wellpoint installations, respectively, both for pressure-driven and free regimens of seepage. The author explains a method for the detail design calculation of wellpoint installations, consisting of the determination of the seepage flow rate Q_n of one section, the ground-water level z_r at a design wellpoint, and the ground-water level z at a generic point of the seepage region. The values of Q_n and z_r are determined from a system of two equations. The first equation is obtained from a consideration of the water flow in the suction system and is based on the law of the conservation of energy. The second equation is determined by the hydrogeological conditions of the unwatering area and is derived from a consideration of the seepage of ground water beyond the limit of the sandfill about the wellpoint pipe. The value of z is determined by a third calculation formula, which is obtained in a manner similar to that employed for the second one. The author recommends the use of the last two formulas in the form obtained by S. F. Averyanov. The conclusion is accompanied by four graphs which show the dependence of the ground-water level reduction obtainable with a given wellpoint installation on the basic operational factors.

S. N. Numerov, L. N. Pavlovskaya

Card 2/2

GRIGOR'YEV, L.M.

Effect of the accumulation of mud in river beds on the performance of coastal collector wells. Vod.i san.tekh. no.6:13-17 Je '57. (MIRA 10:7)

(Wells) (Water, Underground)

GRIGOR'YEV, V.M.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GORBACHEV, V.N.; GRZHIB, B.V.; GRIGULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLMAYEV, N.M.; KOMAREVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.; ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.; RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.; SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY, Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA, Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.; TSISHEVSKIY, P.M.; CHEREKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN, N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA, I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,

(Continued on next card.)

ANDON'YEV, V.L.... (continued) Card 2.
Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV,
Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER,
P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent,
red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.;
GRIGORAYEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F.,
retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I.,
kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent,
red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN,
V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D.,
retsenzent, red.; MATRIOSOV, A.Kh., retsenzent, red.; MENDELEYEV,
D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent,
red.; OBRAZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent,
red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent,
red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsen-
zent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V.,
prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.P., retsen-
zent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N.,
retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya.
[deceased], akademik, glavnyy red.; FULSO, G.A., kand. tekhn. nauk,
red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.;
ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.;
LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.;
MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN,
N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER,
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.
Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N., tekhn. red.; GRIKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn. red.

[Volga-Don; technical account of the construction of the V.I. Lenin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSimlianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialized operations in hydraulic engineering] Organizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.
Glav. red. S.IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p. (MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).

(Volga Don Canal--Hydraulic engineering)

KORZHETSKIY, A.P., inzh.; VERIGIN, N.N., doktor tekhn.nauk, prof.; BINDEMAN, N.N., kand.geol-mineral.nauk; BOCHEVER, F.M., kand.tekhn.nauk; GRIGOR'YEV, V.M., kand.tekhn.nauk; NEDRIGA, V.P., kand.tekhn.nauk; SHESTAKOV, V.M., kand.tekhn.nauk.

Opinions of the book "Determining water inflow to foundation pits and designing drainage installations" by V.V. Kurilenko. Reviewed by A.P. Korzhetskii and others. Gidr. stroi. 27 no.4:61-64 Ap '58. (MIRA 11:9)

(Soil percolation) (Drainage) (Kurilenko, V.V.).

SEMENOV, M.P., prof., red.; GRIGOR'YEV, V.M., starshiy nauchnyy sotrudnik, red.; SHESTAKOV, V.M., starshiy nauchnyy sotrudnik, red.; SMIRNOVA, A.P., red.izd-va; EL'KINA, E.M., tekhn.red.

[Transactions of the Conference on Problems of Water Table Lowering in Hydraulic Engineering] Trudy Soveshchaniia po voprosam vodoponizheniia v gidrotekhnicheskom stroitel'stve. Moskva, Gos.izd-vo lit-ry po stroit.arkhit. i stroit.materialam, 1959. 190 p. (MIRA 12:9)

1. Soveshchaniye po voprosam vodoponizheniya v gidrotekhnicheskom stroitel'stve. Moskva, 1957. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii (Vodgeo) (for Semenov, Shestakov).
(Drainage) (Hydraulic engineering)

Grigor'yev V.M.

PHASE I BOOK EXPLOITATION SOV/3315
SOV/7-M-7

Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, tom 7: Materialy VII Vsesoyuznogo mezhduvedomstvennogo soveshchaniya po aeros"yemke, 25 noyabrya - 1 dekabrya 1956 g. (Transactions of the Laboratory of Aerial Methods, Academy of Sciences USSR, Vol. 7: Materials of the 7th All-Union Interdepartmental Conference on Aerial Surveying) Moscow, 1959. 331 p. 1,400 copies printed.

Editorial Board: A.V. Glagolev, V.G. Lianovich, N.G. Kell' (Resp. Ed.), D.M. Kmiritskiy, K.S. Lyalikov, and G.G. Samoylovich; Ed. of Publishing House: D.M. Kmiritskiy; Tech. Ed.: N.Ye. Kasdel'.

PURPOSE: This collection of articles is intended for photogrammetrists. The articles will be of interest to all governmental and industrial agencies concerned with aerial photography.

COVERAGE: This is the first volume of a 2-volume work containing reports read at the All-Union Conference on Photogrammetry which took place in Leningrad from November 25 to December 1, 1956, under the auspices of the Laboratory of Aerial Photography Methods of the Academy of Sciences USSR. These reports describe the principles and applications of photo interpretation in the fields of soil science, forestry, geology, hydrology, industrial development, etc. Individual reports discuss the equipment used and techniques employed. References accompany each article.

Botionov, B.N. [Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii - Moscow Institute of Geodetic, Photogrammetric, and Cartographic Engineering]. Use of Helicopters in Aerial Photography 74

Belov, S.V. [Laboratory of Aerial-Surveying Methods]. Resolving Power of Aerial Photographs 78

Pinkovskiy, V.Ya. [Novosibirskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii - Novosibirsk Institute of Geodetic, Photogrammetric, and Cartographic Engineering]. The Theory of the Stereocomparagraph 147

Card 6/15

Kulit, V.I. [Gidroenergoproyekt - All-Union Association for Hydroelectric Developments]. Use of Aerial Photography in Planning Hydroelectric Power Stations 197

Grigor'yev, V.M., and Ye.S. Kmiryakova. [Leningradskiy filial Gidroproyekta - Association for Hydraulic Development Planning, Leningrad Branch]. Use of Aerial Photographs in Planning the Layout of a Reservoir for a Large Hydroelectric Power Station 205

Venirov, S.L. [Giprorechtrans - State Institute of Inland-Waters Transport Planning and Scheduling]. Application of Aerial Photography to Exploration Programs Administered by the State Institute for Inland-Waters Transport Planning and Scheduling 221

Ivanov, K.Ye. [State Hydrological Institute]. Application of Aerial Photography in the Hydrological Computations of the Water Regime in Swamps 226

Artsybashev, Ye.S. [Laboratory of Aerial-Surveying Methods]. Study of Spectral Reflecting Power of Forest Stands and Types (Annotation) 271

Liverovskiy, Yu.A. [Pochvennyy institut - Institute of Soil Science]. Application of Aerial Photography to Soil Science 293

Kirts, I.D. [Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnogo syr'ya i pushniny - All-Union Scientific-Research Institute of Wildlife and Fur-bearing Animals]. Experimental Results From Applying Aerial Photography to Wildlife Management, and the Tasks for the Coming Years (Annotation) 310

Sobolev, N.A. [Central Scientific-Research Institute of Geodetic, Photogrammetric, and Cartographic Engineering]. The Eighth International Photogrammetric Congress [Stockholm] 311

Deynelo, V.F. [Moskovskiy institut inzhenerov zemleustroystva - Moscow Institute of Land Use Engineering]. Training of Engineers and Scientists in the Application of Aerial Surveying to Agriculture 320

SOV/98-59-5-15/21

14(10)

AUTHOR: Grigor'yev, V.M., Candidate of Technical Sciences

TITLE: Letters and Reader's Comments. On the Problem of Estimating the Degree of Water Permeability of a Dam's Base by Measuring the Amount of Water Pumped Out of the Foundation Pit

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 5, pp 44-46 (USSR)

ABSTRACT: The author discusses the article of A.G. Lykoshin (Gidrotekhnicheskoye stroitel'stvo, 1957, Nr 7) concerned with 1), the data on ground water levels at the construction site of the Pavlovskaya GES, and 2), their utilization to determine the degree of water permeability of the silt-impregnated zone of limestones beneath the river bed near the aforementioned GES. In addition to this, pertinent data are given on the Rhine river near Düsseldorf, West

Card 1/2

SOV/98-59-5-15/21

Letters and Reader's Comments. On the Problem of Estimating the Degree of Water Permeability of a Dam's Base by Measuring the Amount of Water Pumped Out of the Foundation Pit

Germany, on the Ohio river, U.S.A., and on the Tumutuk filtration reservoir, Ik river, Tatar ASSR. There are 3 diagrams, 1 set of diagrams, 1 American, and 2 Soviet references.

Card 2/2

S/081/62/000/015/[illegible]/[illegible]
B166/B186

AUTHORS: Gordaki, G. D., Grigor'yev, V. I.

TITLE: Germanium in iron ores

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1962, 119-120, abstract 15B120 (Sb. "Geol. mestorozhd. redk. elementov". no. 5, M., Gosgeoltekhizdat, 1957, 92-103)

TEXT: The results are given, of optical, X-ray structural and chemical analyses of iron ores from sedimentary metamorphic deposits. The ores are of 2 natural types: hematitic and magnetitic; the magnetitic ores in the oxidation zone change into martitic. The authors consider that the accumulation of germanium is due to primary sedimentary processes, as indicated by the definite relationship between the mineralogical types of ores and their germanium content. A connection is noted between the variation in germanium content of the ore material and the environmental conditions of deposition. Germanium is richest in those deposits during whose metamorphism the magnetitic ores were formed, not excluding the environment phase during whose metamorphism

Germanium in iron ores

S/081/62/000/010/040/065
B168/B180

ferristilpnomelane-magnetitic ores were formed. The presence of ferristilpnomelane and of alumosilicates in general in magnetitic ores appears to be evidence of physico-chemical conditions unfavorable to the combining of germanium. The greatest germanium concentrations were found in the magnetitic facies of non-oxidized magnetitic and hematitic ores. Loss of germanium during oxidation is obviously due entirely to isomorphic replacement of the ion Fe^{2+} and indicates the possibility of the formation of secondary dispersion haloes. The geochemical behavior of germanium in iron ores gives first importance to the ores of deposits of sedimentary metamorphic origin, unaccompanied by skarns. The authors come to the conclusion that the siderophily of the germanium in the earth's crust is due to isomorphism of the ions Ge^{2+} and Fe^{2+}, for which reason it can only be clearly revealed in a reducing medium.

[Abstracter's note: Complete translation.]

Card 2/2

GRIGOR'YEV, V.M.; KUDRYAVOVA, Ye.S.

Use of aerial photogrammetric materials in reservoir design of a large hydroelectric power station. Trudy Lab.aerometr. 7: 203-207 '59. (MIRA 13:1)

1. Leningradskiy filial Gidroproyekta.
(Aerial photogrammetry) (Reservoirs)

KUZNETSOV, Sergey Mikhaylovich; CHASTUKHIN, S.A., inzh.-geodezist, retsenzent; KLIMOV, O.D., kand.tekhn.nauk, retsenzent; MURAV'YEV, M.S., dotsent, retsenzent; LEVCHUK, G.P., dotsent, kand.tekhn.nauk, retsenzent; LEBEDEV, N.N., dotsent, retsenzent; GLOTOV, G.F., dotsent, retsenzent; GRIGOR'YEV, V.M., inzh.-geodezist, retsenzent; PIMENOV, A.F., inzh.-geodezist, retsenzent; BELIKOV, Ye.F., dotsent, red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic operations in the design and construction of hydraulic structures] Geodezicheskie raboty pri proektirovanii i stroitel'stve gidrotekhnicheskikh sooruzhenii. Moskva, Izd-vo geod.lit-ry, 1960. 173 p. (MIRA 13:9)
(Hydraulic engineering) (Surveying)

MOMDZHI, G.S.; GRIGOR'YEV, V.M.

Method of mineralogical analysis of iron ores for rare and trace elements. Biul.nauch.-tekh.inform.VIMS no.1:66-69 '60. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Iron ores—Analysis)

GRIGOR'YEV, V.M.; GROSHIN, S.I.; PAK SEN UK

Basic structural features of Korea. Izv.vys.ucheb.zav.; geol.i razv. 3 no.1:3-17 Ja '60. (MIRA 13:7)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.
(Korea—Geology, Structural)

GRIGOR'YEV, V.M.

Theoretical basis for the calculation of infiltration water intakes taking into consideration the silting of river beds. Vod.i san.tekh. no.6:18-22 Je '60. (MIRA 13:6)
(Water-supply engineering)

MOMDZHI, G.S.; GRIGOR'YEV, V.M.

Evaluating the rare and trace element content of iron ores. Razved. i okh. nedr 27 no.3:11-17 Mr '61. (MIRA 14:5)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Trace elements) (Iron ores)

GRIGOR'YEV, V.M.

Method for studying the distribution of trace elements in the minerals of ferruginous quartzites. Biul.nauch.-tekh.inform VIMS no.1:79-81 '63. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

PRITULA, Yu. A.; GRIGOR'YEV, V. M.; MANDEL'BAUM, M. M.; MIKUTSKIY, S. I.; MOKSHANTSEV, K. B.; SOKOLOV, D. S.

"Oil and gas deposits of the Siberian Platform."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

GORZHEVSKAYA, Susanna Aleksandrovna; SIDORENKO, Galina Aleksandrovna; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zamestitel' glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.

[Titano-tantalo-niobates. Part 2.] Titano-tantalo-niobaty. Moskva, Nedra. Pt.2. 1964. 115p. (Geologiia mestorozhdenii redkikh elementov, no.23) (MIRA 18:1)

GRIGOR'YEV, V.M.; BOGOLYUBOV, K.S.

Test unit for vacuum water lowering in the construction of the Izmaylovo sewers. Trudy VODGEO no.6:14-20 '64.

(MIRA 18:3)

[illegible], [illegible]; [illegible], [illegible]

Combined use of iron ores. Razved. i okh. nedr [illegible]
F '65. [illegible]

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

GRIGOR'YEV, V.N.

Foreign experience in the artificial replenishment of ground water reserves. Trudy VODGEO no.9:3-50 '64. (MIRA 18:10)

GRIGOR'YEV, V.M.; ZELENOV, K.K.

Source of germanium in iron ores. Geokhimiia no.5:558-566 My '65.
(MIRA 18:9)

BLOKH, A.M.; KOCHENOV, A.V.; GINZBURG, A.I., glavnyy red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; POLYAKOV, M.V., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.

[Impurity elements in bone phosphate of fossil fishes.] Elementy-primesi v kostnom fosfate iskopaemykh ryb. Moskva, Nedra, 1964. 106 p. (Geologiia mestorozhdenii redkikh elementov, no.24). (MIRA 19:1)

KUDRIN, V.S.; KUDRINA, M.A.; SHURIGA, T.N.; GINZBURG, A.I., glavnyy red.; APEL'TSIN, F.R., zamestitel' glavnogo redaktora; CHERNYSHEVA, L.V., red.; BEUS, A.A., red.; GREKULOVA, L.A., red.; GRIGOR'YEV, V.M., red.; ZABOLOTNAYA, N.P., red.; MATIAS, V.V., red.; POKALOV, V.T., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.

[Rare-metal metasomatic formations associated with subalkaline granitoids.] Redkometal'nye metasomaticheskie obrazovaniia, sviazannye s subshchelochnymi granitoidami. Moskva, Nedra, 1965. 145 p. (Geologiia mestorozhdenii redkikh elementov, no.25) (MIRA 18:8)

L 24872-66 EWT(1) GS/GW

ACC NR: AP5028973 SOURCE CODE: UR/0000/64/000/000/0260/0272

AUTHOR: Pritula, Yu. A.; Grigor'yev, V. M.; Mandel'baum, M. M.; Mikutskiy, S. P.; Mokshantsev, K. B.; Sorokov, D. S.

32
B

ORG: none

TITLE: Oil and gas deposits of the Siberian platform

SOURCE: International Geological Congress. 22d, New Delhi, 1964. Geologiya nefti (Petroleum geology). Moscow, Izd-vo "Nauka," 1964, 260-272

TOPIC TAGS: geology, natural gas, petroleum fuel, physical geology, geologic exploration

ABSTRACT: The old Siberian Platform occupies a large territory in Central Siberia. Late Pre-Cambrian (Sinian) and Lower Paleozoic sedimentary marine formations are extensively developed on the platform, overlain by Middle Paleozoic and Mesozoic deposits over large areas. Characteristic features are the presence of rock salt in Lower Cambrian and of traps in Carboniferous-Triassic series. The main structures of the platform are: Anabar, Aldan, Patom, Yenisei, and Turukhan-Norilsk anteclises, and Angara (Irkutsk amphitheater), Tunguska, and Vilyui syneclises. In the north the platform borders on the Pre-Taimyr, Anabar-Lena and Pre-Verkhoyansk fore-deeps. These major first order structures are complicated by numerous gentle swells and local uplifts. Oil and gas shows are extensively developed all over the Siberian Platform.

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L 24872-66

ACC NR: AP5028973

Geological conditions in sedimentary basins on the platform and in flanking fore deeps are favorable for generation, accumulation, and preservation of oil and gas deposits. The total area of these sedimentary basins is over 3,000,000 km^2. Exploration for oil and gas was conducted on a limited scale. Oil- and gas-bearing formations were found in Late Pre-Cambrian, Lower Cambrian, Ordovician, Devonian, Permian, Triassic, Jurassic and Cretaceous deposits. Gas condensate was discovered in Jurassic sandstones in the Vilyui syneclise and Pre-Verkhoyansk fore-deep. Lower Cambrian rocks within the Siberian Platform are regionally oil- and gas-bearing. The large Markovo light oil field was discovered in these rocks in the south of the platform. Orig. art. has: 2 figures. [Author's abstract.]

SUB CODE: 08/ SUBM DATE: 21Nov64/

Card 2/2

SHERMAN, I.Ye.; GRIGOR'YEV, V.N.

Small-scale mechanization in the woodworking shop. Der. prom. 6 no.10:23-24 O '57. (MIRA 10:11)

1. Leningradskiy vagonostroitel'nyy zavod im. I.Ye. Yegorova. (Railroads--Cars--Construction) (Woodwork)

GRIGOR'YEV, V.N.

Pneumatic mitering machine. Der. prom. 8 no.9:26 S '59.
(MIRA 12:12)

(Mitering)

22128
S/056/61/040/003/008/031
B102/B202

11.3110

AUTHORS: Grigor'yev, V.N., Rudenko, N.S.

TITLE: Density of H_2-D_2 solutions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40, no. 3, 1961, 757 - 761

TEXT: The influence exercised by quantum effects on the microscopic properties of the substances can be inferred from the physical properites of isotopic solutions. This influence becomes manifest in a deviation from the ideal behavior, especially in light substances and at low temperatures. From the system D_2-H_2 hitherto only the liquid-vapor and the vapor-solid diagram has been studied. The results obtained, however, indicate that the behavior of this system essentially differs from that of ideal solutions. B.G. Lazarev, V.S. Kogan, and R.F. Bulatova (ZhETF, 34, 238, 1958) discovered a stratification of the D_2-H_2 isotopic mixture into two phases at temperatures below the melting point. In this paper, the results of fur-

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S/056/61/040/003/008/031
B102/B202

Density of H_2-D_2 solutions ...

ther studies of the deviation from the ideal behavior of this isotopic mixture between melting point and 20.4°K are presented. The authors attempted to determine the excess volume of the mixture: $\Delta V = V - (c_H V_H + c_D V_D)$ where V are the molecular volumes of the solution, of hydrogen and of deuterium, c the molar concentrations. The measurements were made by the method of hydrostatic weighing by means of spring balances; the device permitted a density measurement with a summational error of (0.1-0.2)%. The measurements were made with temperature increase as well as with temperature reduction in the range studied. The ortho-para concentration of H_2 and D_2 corresponded to that at room temperature; no considerable change in the density, as a result of ortho-para transformation, could be observed. Also the HD formation was inconsiderable as was confirmed by studies of the same mixture on various days. The densities ϱ of eight mixtures with D_2 concentrations of from 10 to 90% were measured and the molar volumes ($V=\mu/\varrho$, μ molar weight) were calculated. The correction for the production of vapor was 0.15%. The temperatures below the melting point were calculated by means of an extrapolation formula. The numerical results

Density of H_2-D_2 solutions ...

are listed in a table. The results prove the considerable deviation from the ideal behavior; at all temperatures studied and all concentrations studied, the mixing volume was negative and of the same order of magnitude as that of the liquefied gases (e.g., O_2-Ar or O_2-N_2). The results obtained are compared with the theoretical results by other authors. Good agreement was obtained with $\Delta V = \Delta V_I + \Delta V_{II}$ and $\Delta V_I = \beta \Delta E_v$, $\Delta E_v = \Delta H - T\alpha\Delta V/\beta$ (β compressibility of the solution, ΔE_v excess mixing energy at constant volume, ΔH excess mixing enthalpy, α thermal expansion coefficient) as well as $\Delta V_{II} = \gamma c_1 c_2 (\beta_1 V_1 - \beta_2 V_2)(p_1 - p_2)$ a value close to 1 is chosen for γ instead of 0.4 (as given by Mears), which, however, cannot be substantiated. It was found that the experimentally observed contraction in the formation of the H_2-D_2 solution cannot be explained by the present theory. There are 2 figures, 1 table and 15 references: 6 Soviet-bloc and 9 non-Soviet-bloc.

Card 3/5 4

S/056/64/046/003/008/031
B102/B202

Density of H_2-D_2 solutions ...

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk Ukrainskoy SSR (Institute of Physics and Technology of the Academy of Sciences, Ukrainskaya SSR)

SUBMITTED: October 13, 1960

Card 4/5 4

GRIGOR'YEV, V.N.; RUDENKO, N.S.

Surface tension of liquid hydrogen isotopes and H_2 - D_2 solutions. Zhur. eksp. i teor. fiz. 47 no.1:92-96 Jl '64. (MIRA 17:9)

AKSEL'RUD, L.G.; GLINKOV, M.A.; GRIGOR'YEV, V.M.; LIFSHITS, A.Ye.; MAKTSEV, N.M.

Prospects for improvements in the design of heating and heat-treating furnaces. Stal' 20 no.6:562-567 Je '60. (MIRA 14:2)
(Furnaces, Heating) (Furnaces, Heat-treating)

SUSHIN, Vasiliy Yefimovich; KVASHENKO, Yuriy Kirillovich; DUDIN, Semen Ivanovich; ANDRONOVA, Lyubov' Nikanorovna; PETLAKH, Abram Smerkovich ; GRIGOR'YEV, Vasiliy Nikolayevich; KOLYCHEVA, Nataliya Ivanovna; CHUGREYEVA, V.N., red.;TINDE,N.F.,red.; BATYREVA, G.G., tekhn. red.; VINOGRADOVA, G.A., tekhn. red.

[Manual on auxiliary equipment and supplies for the textile industry]Spravochnik po vspomogatel'nym izdeliam dlia tekstil'noi promyshlennosti. Pod red. V.E.Sushina i N.F.Tinde. Moskva, Rostekhizdat, 1963. 432 p. (MIRA 16:5)
(Textile industry--Equipment and supplies)

GRIGOR'YEV, V.N.; REPINA, L.N.

Stratigraphy of Cambrian deposits along the western edge of the Siberian Platform. Izv.AN SSSR. Ser.geol. 21 no.7:17-24 Jl '56. (MLRA 9:10)

1. Geologicheskiy institut Akademii nauk SSSR, Moskva.
(Siberian Platform--Geology, Stratigraphic)

GRIGOR'YEV, V.N.

Characteristics of the lower Cambrian flysch on the northeastern margin of the Yenisey Ridge. Biul.MOIP. Otd.geol. 31 no.4:55-64 Jl-Ag '56. (MLRA 9:12)

(Yenisey Ridge--Flysch)

SOV/11-58-11-4/14

AUTHORS: [redacted] and Semikhatov, M.A.

TITLE: On the Age and Origin of the So-Called "Tillites" in the Northern Part of the Yenisey Ridge (K voprosu o vozraste i proiskhozhdenii tak nazyvayemykh "tillitov" severnoy chasti Yeniseyskogo Kryazha)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 11, pp 44 - 58 (USSR)

ABSTRACT: The authors describe peculiar pebbly mudstones widely spread in the northern part of the Yenisey Ridge. These pebbly argillites are considered by some geologists as tillites - glacial conglomerates of ancient Proterozoic origin. After careful study of these "Tillites" and of the surrounding rocks, the authors find that they were formed in the Lower Cambrian Period and represent normally formed maritime conglomerates accumulated at the foot of cordillera and displaced over large distances by underwater landslides. The following geologists cited by the authors have also studied this problem: Ye.N. Shchukina, O.P. Goryainova, E.A. Fal'-

Card 1/2

SOV/11-58-11-4/14

On the Age and Origin of the So-Called "Tillites" in the Northern Part of th Yenisey Ridge

kova, G.F. Lungersgauzen, V.P. Petrov, and Ya.D. Shenkman. There are 3 photos, 1 map, 1 table, 1 drawing and 23 references, 17 of which are Soviet, 1 German, 1 Japanese and 4 American.

ASSOCIATION: Geologicheskiy Institut AN SSSR (The Geological Institute of the AS USSR)

SUBMITTED: March 31, 1958

1. Rock--Geology 2. Geological time--Determination

Card 2/2

AUTHOR: Grigor'yev, V. N. 20-119-1-37/52

TITLE: A New Discovery of Fauna in the Northwest of the Sibirskaya (Siberian) Platform and the Subdivision of the Lower Cambrian of the Igarka Region (Novaya nakhodka fauny na severo-zapade Sibirskoy platformy i raschleneniye nizhnego kembriya Igarskogo rayona)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 1, pp. 137-139 (USSR)

ABSTRACT: At present the Lower Cambrian deposits of various regions of the Sibirskaya (Siberian) platform have been brought into connection with each other reliably enough, so that a uniform stratigraphic scheme of division can be used for the entire region of this platform (references 2-4). The regions north of the Turukhanskiy section,however, remained undetermined and in dispute in this respect. In the year 1957 the author became acquainted with the section mentioned in the title which had before him already been investigated by Odinets, Dragunov and Shteyn. Shteyn divided it into 2 suites: a lower Izluchinskaya and an upper Sukharikhinskaya. Like elsewhere in Sibir' (Siberia) the boundary of the Aldanskaya and Lenskaya

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stage here runs along a very sharp separation of sandy--argillaceous deposits by carbonate deposits. The terrigeneous Izluchinskaya suite belonging to the Aldanskaya stage is well subdivided into several parcels. They are described individually. The total thickness of the deposits of the Aldanskaya stage is about 1000 m. The fauna found in the year 1957 made possible a further finer subdivision also of the Sukharikhinskaya, where the main horizons of the Lenskaya stage are separated. All organic fossils stem from a 40 m thick parcel which is deposited above the sole of this suite. From dark gray limestones large trilobites Jakutus (?) sp., small brachiopods: Acrotreta sp., Obolella (?) so., the impression of a dorsal shell of a large Kutorgina (?) sp., fungi as well as hyolites and phyllocarida were collected. The inner structure of the fungi could for the first time be observed in the samples from the Sukharikha-river. The organic fossils from the aphanite-limestones are quite different. They contain small trilobites of the genus Sayanella (typical for the Sanashtyk -Gol'skiy horizon of Tuva, Kuznetskiy Alatau and West-Sayan), as well as archeocytes

A New Discovery of Fauna in the Northwest of the Sibirskaya (Siberian) Platform and the Subdivision of the Lower Cambrian of the Igarka Region

20-119-1-37/52

Ethmophyllum sp.nov., Coscinocyathus sp.nov., Ajacyathus sp. nov.Thereby on the one hand the deposits of the Olekminskiy horizon can with certainty be separated in the Igarskiy section, on the other hand these deposits can be compared with the Sanashtyk-Gol'skiy horizon. Further the parcels deposited under the fauna-containing limestones are described. The 2 parcels immediately following also belong to the Olekminskiy deposits of the Aldanskiy massif. The parts of the section of the Sukharikhinskaya suite (550 m) deposited farther below can be compared with the Tolbachanskiy and Sinskiy horizons. Two parcels can be separated here. The upper one recalls the Klimenskaya suite of the outskirts of the Yenisey-chain and the upper parts of the Vvedenskaya suite of the Prisayan'ye. The lower parcel must correspond to the Sinskiy horizon. The upper part of the section of the Sukharikhinskaya suite (visible thickness more than 450 m) corresponds to the Ketminskiy horizon, although it is possible that it also contains higher horizons, perhaps even of the Middle Cambrian.

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A New Discovery of Fauna in the Northwest of the Sibirskaya (Siberian) Platform and the Subdivision of the Lower Cambrian of the Igarka Region 20-119-1-37/52

There are 4 references, 4 of which are Soviet.

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR (Geological Institute AS USSR)

PRESENTED: December 16, 1957, by N. S. Shatskiy, Member, Academy of Sciences, USSR

SUBMITTED: December 13, 1957

Card 4/4

ARKHANGEL'SKAYA, N.A.; GRIGOR'YEV, V.N.; ZELENOV, K.K.; PAVLOVSKIY, Ye.V., otv.red.; VERSTAK, G.V., red.izd.va; POLENOVA, T.P., tekhn.red.

[Facies of lower-Cambrian sediments in the southern and western outskirts of the Siberian Platform]- Fatsii nizhnekembriiskikh otlozhenii iuzhnoi i zapadnoi okrain Sibirskoi platformy. Moskva, Izd-vo Akad.nauk SSSR, 1960. 199 p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no.33). (MIRA 13:11)
(Siberian Platform--Sediments (Geology))

ARKHANGEL'SKAYA, N.A.; GRIGOR'YEV, V.N.

Conditions governing the formation of salt-generating zones in marine basins as exemplified by the lower Cambrian evaporite basin of the Siberian Platform. Izv. AN SSSR. Ser.geol. 25 no.4:58-75 Ap '60. (MIRA 13:11)

1. Geologicheskiy institut AN SSSR, Moskva.
(Siberian Platform--Salinity)

GRIGOR'YEV, V.N.; SEMIKHATOV, M.A.

Basic tupes of lower Cambrian sedimentary formations in the southwestern margin of the Siberian Platform and its environs. Izv.AN SSSR. Ser.geol. 26 no.1:30-45 Ja '61. (MIRA 15:6)

1. Geologicheskiy institut AN SSSR, Moskva.
(Siberian Platform--Rocks, Sedimentary)

GRIGOR'YEV, V.N.

Character of relations between titanium dioxide and aluminum oxide in rocks of some bauxite deposits in the U.S.S.R. Lit.i pol.iskop. no.2:232-237 '63. (MIRA 17:10)

1. Geologicheskiy institut AN SSSR, Moskva.

MALKIN, O.A. (Moskva); [illegible], V.N. (Moskva); [illegible], A.P. (Moskva)

Experimental investigation of shock waves excited by a pulsed current in a rarefied gas. Inzh.zhur. 5 no.1:65-72 '65.
(MIRA 18:4)

GRIGOR'YEV, V.N.

Paleogeographic environment of the formation of Paleozoic geosynclinal bauxites in Central Asia and the position of their formation. Trudy GIN no.141:107-139 '65. (MIRA 19:1)

ACC NR: AR6035079 SOURCE CODE: UR/0169/66/000/008/D010/D010

AUTHOR: Grigor'yev, V. N.; Kozlov, V. N.

TITLE: Methodology, possibilities, and some results of aerogeophysical survey in Kazakhstan

SOURCE: Ref. zh. Geofizika, Abs. 8D65

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata, Kazakhstan, 1965, 241-250

TOPIC TAGS: aerial photography, aerial survey, geophysics, geophysic research facility

ABSTRACT: Aerial photography is one of the leading methods used in all stages of geological and geophysical survey in Kazakhstan. Characteristic examples of use and interpretation of the results of aerial photography made in Kazakhstan for geophysical purposes are given. The use of new aerial mapping equipment and the improved methodology of geological-geophysical surveying have greatly increased the possibilities of aerial survey for large scale geological mapping and for prospecting for mineral deposits. F. Kamenetskiy. [Translation of abstract] [GC]

SUB CODE: 08, 14/

UDC: 550.830

Card 1/1

GRIGOR'YEV, V.N.

Pneumatic clamps of drilling machines. Der. prom. 12 no.9:21 S '63. (MIRA 16:10)

1. Leningradskiy vagonostroitel'nyy zavod im. I.Ye.Yegorova.

L 28890-66 EWP(k)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/HW/JXT(CZ)
ACC NR: AP6018391 SOURCE CODE: UR/0133/66/000/006/0560/0561

AUTHOR: Grigor'yev, V. N. (Candidate of technical sciences; Chairman of All-Union section for furnace heat engineering) 16 B

ORG: none

TITLE: Mechanized continuous heating of steel articles in furnaces 18

SOURCE: Stal', no. 6, 1966, 560-561

TOPIC TAGS: metallurgical plant, plant equipment, extrusion equipment

ABSTRACT: An experimental rotary-hearth furnace, 6.6 mm in diameter, has been built at the Elektrostal' metallurgical plant. The furnace will be used for heating 3-ton ingots for extrusion. [DV] 18

SUB CODE: 13/ SUBM DATE: none/ ATD PRESS: 5107

Card 1/1 UDC: 669.1.006.22

VASIL'YEV, Mikhail Petrovich; GRIGOR'YEV, V.N., otvetstvennyy redaktor; KOLOMIYTSEV, A.D., redaktor izdatel'stva; KOROVENKOVA, Z.A., tekhnicheskiy redaktor

[Mine haulage] Rudnichnyi transport. Moskva, Ugletekhizdat, 1956. 313 p. (MLRA 10:1)
(Mine haulage)

GRIGOR'EV, V.N., kandidat tekhnicheskikh nauk.

Safe speed for transportation of miners in slope mines. Bezop. truda v prom. 1 no.9:5-7 S '57. (MLRA 10:9)
(Mine railroads)

GRIGOR'YEV, Vadim Nikolayevich; GALUSHKO, M.K., kand.tekhn.nauk, retsenzent; KOLOMIYTSEV, A.D., otv.red.; SABITOV, A., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Mechanized transportation of miners] Mekhanizatsiia perevoski liudei po gornym vyrabotkam. Moskva, Ugletekhizdat, 1958. 203 p. (MIRA 12:6)

(Mine haulage) (Mine railroads)

SPIVAKOVSKIY, Aleksandr Onisimovich, prof.; GRIGOR'YEV, V.N., otvetstvennyy red.; KOLOMIYTSEV, A.D., red.izd-va; ALADOVA, Ye.I., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red.

[Mine haulage] Rudnichnyi transport. Izd. 3-e. Moskva, Ugletekhizdat, 1958. 592 p. (MIRA 11:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Spivakovskiy)
(Mine haulage)

GRIGOR'YEV, V.N.

Performance of mine safety gear for inclined hoisting. Nauch. trudy MGI no. 20:196-215 '58. (MIRA 11:8)
(Mine hoisting--Safety appliances)

GRIGOR'YEV, V.N. (Moskva)

Structure of a plasma clot in an electrodynamic accelerator. PMTF no.2: 35-40 Mr-Ap '65. (MIRA 18:7)

L 13873-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(F)/EWG(m)/T IJP(c) AT/DJ

ACC NR: AP5021913 SOURCE CODE: UR/0207/65/000/004/0146/0148

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46

AUTHOR: Grigor'yev, V. N. (Moscow)

ORG: none

TITLE: Observation of pinches in plasma rail accelerators 21,44,55 B

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 146-148

TOPIC TAGS: plasma accelerator, plasma pinch, plasma velocity

ABSTRACT: Conditions under which narrow current layers occur in electrodynamic plasma accelerators of the rail type are discussed. The plasma is contained by a self-induced magnetic field. Conditions for the partition of current layers into pinches and processes which determine the speed of pinches, their diameter and other parameters are also considered. It is shown that the inductive deceleration of the pinches is produced by the plasma that develop behind the pinches due to the ionization of evaporated material from the electrodes and the walls of the accelerator. Spectroscopic investigations indicate that in addition to plasma pinches in the space between the electrodes, stationary plasma with velocity less than $1.5 \cdot 10^6$ cm/sec and temperature lower than that of the pinch region and a high degree of ioni-

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L 13873-66
ACC NR: AP5021913

zation also exist. It was found that the friction of the glass walls of the vessel is negligible. Expressions are derived for the limiting velocity and radius of the pinch which agree satisfactorily with the experimental data. The author thanks O. A. Malkin for his interest in the work. Orig. art. has: 1 figure, 6 formulas.

SUB CODE: 20/ SUBM DATE: 09Sep64/ ORIG REF: 003/ OTH REF: 002

Card 2/2

ACC NR: AP7000051 SOURCE CODE: UR/0207/66/000/005/0058/0063

AUTHOR: Grigor'yev, V. N. (Moscow)

ORG: none

TITLE: Some conditions for the existence of a pinch structure in the skin layer of a plasma

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1966, 58-63

TOPIC TAGS: plasma pinch, plasma acceleration, skin effect, plasma confinement

ABSTRACT: Multichannel discharges in plasma accelerators are studied theoretically using a longitudinal pinch as a model. The applicability of the model is discussed giving numerous references to experimental observations. It is assumed that pinch current is carried by narrow channels with infinite conductivity. The existence of pinch structure is shown to be confined by limits obtained from pressure balance, provided that plasma deceleration by magnetic field exceeds greatly viscous forces. As the initial gas pressure decreases, plasma deceleration time decreases and the characteristic ionization and excitation times increase. It is shown that in such accelerators, induced currents have a stabilizing role. The decay of the pinch is a result of the decreasing current from the pulse generators while pinches are moving through the plasma, as is the case usually in theta and linear pinches. The experimental data of se-

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ACC NR: AP7000051

veral authors is reviewed in the light of the above discussion and is shown to support the conclusions of this work. The author thanks A. K. Musin for his constructive criticism. Orig. art. has: 1 figure, 4 formulas.

SUB CODE: 20/ SUBM DATE: 17Feb66/ ORIG REF: 011/ OTH REF: 009

Card 2/2

L 52370-65 FSS-2/EWT(l)/EPF(n)-2/EWG(v)/EWG(m)/EWA(d)/EPA(w)-2/T/EED(b)-3/EWA(c)
Pz-6/Po-4/Pab-10/Pe-5/Pae-2/Pi-4 IJP(c) WW/AT

ACCESSION NR: AP5013368 UR/0207/65/000/002/0035/0040

83
81
0

AUTHOR: Grigor'yev, V. N. (Moscow)

TITLE: On plasmoid structure in an electromagnetic accelerator

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1965, 35-40

TOPIC TAGS: plasmoid, plasma flow, electromagnetic field, spectrometer, capacitor, electron density, plasma pinch, Doppler shift, plasma acceleration / ISP 51 spectrograph, UF 84 camera

ABSTRACT: A detailed experimental study was made of the structure and acceleration of a high density plasma cluster in an electromagnetic field. The apparatus consists of a pair of copper-plate electrodes 2 cm apart, connected to a 36 μf capacitor bank, 4.5 kv discharge voltage. The tube pressure varied between 0.1 to 20 μ Hg. The discharge was measured by means of high speed photorecording equipment. The records show that during the first half-period of current discharge the plasmoid consists of sharp layers moving at a speed of 6×10^6 cm/sec. The speed and the diameter of the plasma clusters are found to be independent of the pressure and the type of gas used. The ion velocities were measured from

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ACCESSION NR: AP5013368

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Doppler shifts, using a spectrograph with 6-12 Å/mm dispersion in the interval 3900-4500 Å. The plasma temperature was measured from Si-ion line intensities and the known electron densities. Its value was 3.4×10^4°K. The plasma density was determined from Stark-broadening measurements, with a value of 2.5×10^{17} cm^{-3}. These results indicate that, upon acceleration, the plasma splits into layers and undergoes a pinch, as substantiated by the pinch parameter formula

$$N = \frac{I^2}{2c^2\pi r^2 kT} = 6 \cdot 10^{17}\ cm^{-3}.$$

From the expression for plasma pinch radius

$$r_0 = k\frac{c^2}{4\pi\sigma V},$$

the value for r is calculated to be 8×10^{-2} cm. The pinch is shown to contain the materials from the glass wall, i.e., Si and O ions. "The author expresses his obligations to V. L. Granovskiy (deceased) for his valuable remarks and his thanks to O. A. Malakin for his help in the work." Orig. art. has: 4 formulas, 3 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 28Mar64 ENCL: 00 SUB CODE: ME, EM

NO REF SOV: 004 OTHER: 001

Card 2/2 gah

[redacted], V.N.

Surface tension of H_2O – Nd and Nd – Dy solutions. Zhur. tekh. fiz. 35 no.2:332-335 F '65. (MIRA 18:4)

GRIGOR'YEV, V.N.; RUDENKO, N.S.

Density of H_2 - D_2 liquid solutions. Ukr.fiz.zhur. 7 no.7: 737-739 Jl '62. (MIRA 15:12)

1. Fiziko-tekhnicheskiy institut AN UkrSSR, Khar'kov.
(Hydrogen—Isotopes) (Solution (Chemistry))
(Densitometers)

GRIGOR'YEV, V.N.

Difference in the pressures of saturated vapors of krypton and xenon isotopes. Ukr.fiz.zhur. 7 no.7:739-742 Jl '62.
(MIRA 15:12)

1. Fiziko-tekhnicheskiy institut AN UkrSSR, Khar'kov.
(Krypton—Isotopes) (Xenon—Isotopes) (Vapor pressure)

KUPLUNOV, P.F., inzhener; GRIGOR'YEV, V.N., inzhener.

Heating metal in ring furnaces with rotating hearth bottoms.
Stal' 16 no.2:166-174 F '56. (MLRA 9:5)

1. Giprometz.
(Rolling mills) (Metallurgical furnaces)

GRIGOR'YEV, V.N.

AUTHORS: Bogoyavlenskiy,I.V., Grigor'yev, V.N., Rudenko,N.S., 56-3-5/59
Dolgopolov, D.G.

TITLE: Modification of the Mercury Isotope Composition in the Electric Field of a Constant Current. (Izmeneniye izotopicheskogo sostava rtuti v elektricheskom pole postoyannogo toka)

PERIODICAL: Zhurnal Eksperim.i Teoret.Fiziki, 1957, Vol. 33, Nr 3, pp. 581-587 (USSR)

ABSTRACT: In a capillary the dependence in the isotopic composition of liquid Hg on the time needed for the passage of a constant current at 41 ± ± 2°C and -1o ± 3°C is investigated. The time of current passage varied from a minimum of 34o h to a maximum of 18oo h.
Further , the concentration of isotopes along the electric field and the dependence of isotope composition at the cathode upon the amounts of the applied voltage were investigated.
The following was found for the ion mobility $\Delta\mu/\mu$:

T in °C	$\Delta\mu/\mu$	($\beta = \Delta\mu/\mu \cdot m/\Delta m$)
45	$1,1.10^{-3}$	$0,73.10^{-1}$
115	$1,3.10^{-3}$	$0,86.10^{-1}$

There are 5 figures, 1 table and 4 Slavic references.

Card 1/2

AUTHORS: Bogoyavlenskiy,I.V., Grigor'yev, V.N., Rudenko,N.S., 56-3-5/59
Dolgopolov, D.G.

TITLE: Modification of the Mercury Isotope Composition in the Electric Field of a Constant Current. (Izmeneniye izotopicheskogo sostava rtuti v elektricheskom pole postoyannogo toka)

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ABSTRACT: In a capillary the dependence in the isotopic composition of liquid Hg on the time needed for the passage of a constant current at 41 ± ± 2°C and -1o ± 3°C is investigated. The time of current passage varied from a minimum of 34o h to a maximum of 18oo h.
Further , the concentration of isotopes along the electric field and the dependence of isotope composition at the cathode upon the amounts of the applied voltage were investigated.
The following was found for the ion mobility $\Delta\mu/\mu$:

T in °C	$\Delta\mu/\mu$	($\beta = \Delta\mu/\mu \cdot m/\Delta m$)
45	$1,1.1o^{-3}$	$0,73.1o^{-1}$
115	$1,3.1o^{-3}$	$0,86.1o^{-1}$

There are 5 figures, 1 table and 4 Slavic references.

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GRIGOR'YEV, V.N.

PHASE I BOOK EXPLOITATION SOV/4012

Akademiya nauk Ukrainskoy SSR. Otdeleniye fiziko-matematicheskikh nauk. Sessiya po mirnomu ispol'zovaniyu atomnoy energii

Trudy (Transactions of the Session on Peaceful Uses of Atomic Energy). Kiyev, Izd-vo AN Ukrainskoy SSR, 1958. 190 p. 2,500 copies printed.

Resp. Ed.: M. V. Pasechnik, Doctor of Physics and Mathematics; Editorial Board: A. K. Val'ter, Academician, Academy of Sciences Ukrainskaya SSR, O.F. Nemets, Candidate of Physics and Mathematics, M. V. Pasechnik, Doctor of Physics and Mathematics; Ed. of Publishing House: T. K. Remennik; Tech. Ed.: N. P. Rakhlina.

PURPOSE: This collection of articles is intended for physicists and scientific personnel working in nuclear research.

COVERAGE: The articles in this collection discuss linear proton accelerators, electron accelerators, electrostatic accelerators, magnetron lenses, the interaction of charged particles and neutrons with nuclei, the applications of tagged atoms in physics research, and experimental methods. Some of the articles are descriptions of already existing nuclear installations and experimental apparatus. No personalities are mentioned. There is a bibliography of Soviet and non-Soviet sources at the end of most of the articles.

PHASE I BOOK EXPLOITATION 894

Grigor'yev, Vladimir Nikolayevich, Engineer

Kol'tsevyye pechi dlya nagreva metalla (Rotary-hearth Furnaces for Heating of Metal) Moscow, Metallurgizdat, 1958. 292 p. 3,800 copies printed.

Ed.: Yusfin, Yu.S., Engineer; Ed. of Publishing House: Vagin, A.A., Engineer; Tech. Ed.: Karasev, A.I.

PURPOSE: This book is intended for engineers and technicians of metallurgical and machinery-manufacturing plants. It may also be useful to students.

COVERAGE: The author outlines the development of rotary-hearth furnace design of various types and purposes in the USSR and elsewhere. Methods of making design calculations are explained, and an analysis of the operation of the basic components of modern rotary-hearth furnaces is given. Comments are made on the prospective future development of furnaces of this type. Fields of application are indicated. The author acknowledges assistance received from the following groups of persons in the preparation of various sections of the book: 1) planning and installation of rotary-hearth furnaces: Engineers A.B. Cutman (deceased), P.T. Dmitriyev, V.A. Dubinker, P.F. Kaplunov, V.M. Karavashkin, N.I. Kostin, Ya.M. Krug, V.M. Piskarev, A.N. Sizov, T.A. Tokarenko

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2) starting and adjustment of furnaces: foremen of starting crews of Energochermet (State All-Union Trust for the Planning, Assembly, and Adjustment of Power Installations and Control and Measuring Instruments), and certain plant foremen 3) metal-heating regimes and heating capacity of furnaces: workers in the heating laboratory at VNITI (All-Union Scientific Research Institute for Metal Pipes), under the direction of N.Ya. Tayts, Professor, Doctor of Technical Sciences, and others. There are 75 references of which 64 are Soviet, and 11 English.

TABLE OF CONTENTS:

Rotary-hearth Furnaces for Heating of Metal 894

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PHASE I BOOK EXPLOITATION SOV/4244

Grigor'yev, Vladimir Nikolayevich

Mekhanizirovannyye i avtomatizirovannyye kol'tsevyye i sektsionnyye pechi skorostnogo nagreva (Mechanized and Automated Rotary-Hearth and Roller-Hearth Furnaces for Rapid Heating) Moscow, Metallurgizdat, 1960. 100 p. Errata slip inserted. 2,000 copies printed.

Ed. of Publishing House: A.A. Vagin; Tech. Ed.: Ye.B. Vaynshteyn.

PURPOSE: The booklet is intended for technical personnel and highly-trained workers in the main departments of metallurgical plants and may also be useful to students of related subject fields.

COVERAGE: New developments in the design of high-production-rate rotary-hearth and roller-hearth furnaces used in the Soviet Union and other countries are reviewed. Characteristic features of heat exchange and the heating system of such furnaces are investigated; a brief analysis is given of the operation of furnaces as related to various processes of heating and the heat treatment of products, and

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they are compared with the operation of furnaces used previously. The outlook for further development of designs and applications of rotary-hearth and roller-hearth furnaces during the seven year plan is discussed. No personalities are mentioned. There are 57 references, all Soviet.

TABLE OF CONTENTS:

AUTHORS: Grigor'yev, V.N., Kan, Ya.S., Rudenko, N.S., Safronov, B.G. 56-3-4/59

TITLE: Variation of Isotopic Composition of Evaporated Mercury. (Izmeneniye izotopicheskogo sostava rtuti pri isparenii)

PERIODICAL: Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol. 33, Nr 3, pp. 576-58o (USSR)

ABSTRACT: The variation of the isotopic ratio of the isotopes Hg-198 to Hg-204 was determined in the most different evaporation parameters (e.g.t from 7o to 27o° C) by means of the mass spectrometers MC-2 and MC-4. It was determined that a low evaporation velocity exercises a special influence on the evaporation kinetics.

The relative vapor pressure difference between the isotopes Hg-198 and Hg-204 can be given from the results:
for t = -20° C $\Delta p/p \leq 2.10^{-3}$
for t = 2oo° C $\Delta p/p \leq 8.10^{-4}$
There are 4 figures, 3 tables, and 4 Slavic references.

ASSOCIATION: Physical-Technical Institute AN of the Ukrainian SSR
(Fiziko-tekhnicheskiy institut Akademii nauk Ukrainskoy SSR)

SUBMITTED: March 13, 1957
AVAILABLE: Library of Congress
Card 1/1

S/[illegible]/60/[illegible]
D040/D[illegible]

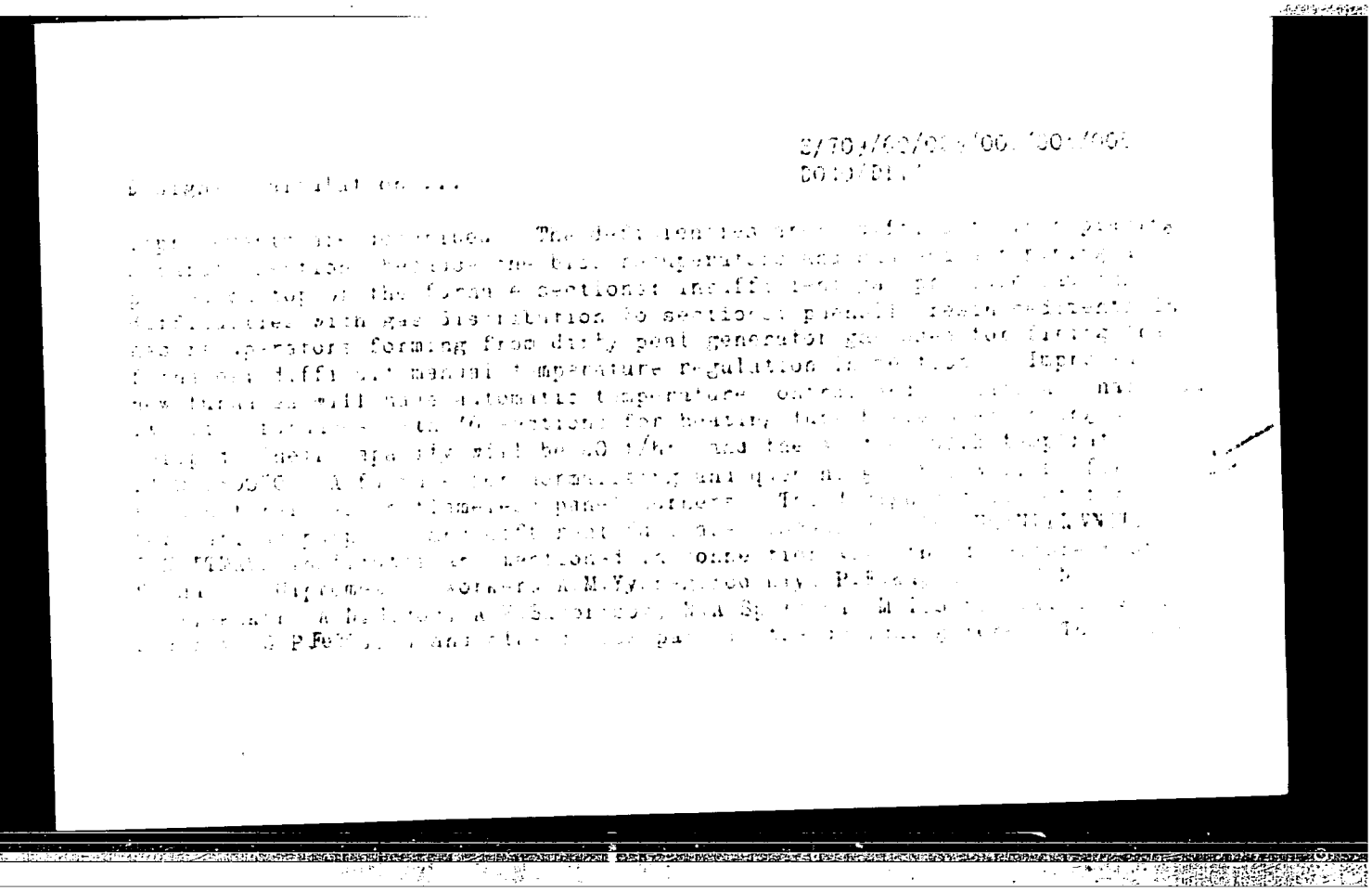
AUTHOR: [illegible], Engineer

TITLE: Designs, calculation methods and prospects [illegible] of [illegible] high speed heating furnaces

SOURCE: Nauchno-tekhnicheskoye obshchestvo chernoy metallurgii. Trudy, v. 25, pt. 1. Moscow, 1960. Raschet, [illegible] ekspluatatsiya nagrevatel'nykh pechey; materialy [illegible] soveshchaniya, 183-202

TEXT: The paper deals with a general discussion of the [illegible] design features of [illegible] sectional furnaces, references being made to [illegible] patents [illegible], the engineering calculation methods and the design, operation and development of such furnaces developed by Gipromez during 195[illegible]-195[illegible] for various products, such as tubes, rails and rolling billets. The Gipromez [illegible] furnaces used at the Pervoural'skiy novotrubnyy zavod - (Pervoural'sk New Tube Plant) - PNTZ, will be [illegible]. Planned design

Card [illegible]



Design calculation ... S/[illegible]/60/027/001/003/00[illegible]
D040/D113

10 figures, 2 tables and 13 references: 6 Soviet and 7 non-Soviet [illegible]. The four most-recent English-language references are: Pr.Heat. Met. Progress, no.6 1958; Steel, no. 23, 1957, p 150; H. Norm[illegible] and others, Steel Processing and Conversion, no.3, 1958, pp 159-170; D. Perrin, Iron and Steel, Dec 11, 1957, pp 475-482.

ASSOCIATION: Giprom[illegible]

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